

# Give your Lyophilizer A New Lease On Life...Renew it with Hull's LyoRenewal Program!

**Tell us what you need...**

## **Upgraded Control Features...**

We can retrofit your unit with our Maestro or LyoLink Control Systems with 21 CFR 11 compliance and remote monitoring capabilities. If you don't require 21 CFR 11 compliance, upgrade to our Encore Controller.

## **Refrigeration System Upgrade...**

- Redundant Compressor Skids
- Conversion of Mechanical Refrigeration to LN2
- LN2 backup systems
- Convert Direct Expansion Condenser to Fluid System

## **Component Upgrades...**

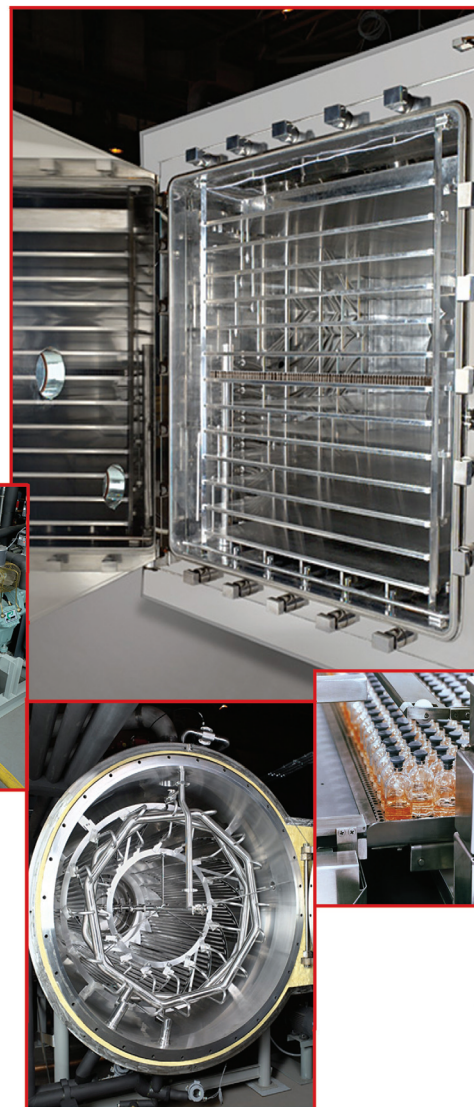
- Add Steam In Place (SIP) and Clean In Place (CIP) piping and valving
- Upgrade to a Hy-Pro Condensator
- Add SMART COOL for better control and efficiency
- Upgrade to the Hull Patented Rotary Disk Valves to replace butterfly or poppet valves

## **All this and more...**

- Equipment Brokering Services
- Audits - Inspections and Appraisals
- Consignment Warehousing
- Purchasing of Excess Equipment
- IQ/OQ and FAT documentation
- Complete Quality Assurance - System Integration Testing Package (SIT)
- Full warranty on all new parts
- Trade-Ins

SP Industries provides an unparalleled service of updating, repairing, refurbishing, and retrofitting previously owned lyophilization systems. Give new life to your old system by incorporating performance capabilities found on newer systems.

Lyophilization is our business. SP Industries manufactures Hull, VirTis, and FTS freeze drying systems from laboratory scale through pilot and production scale. Our Hull brand lyo-renewal program allows us to offer you the features you've always wanted in your freeze dryer, without having to purchase a new one.



**Contact Us Today To Schedule a Pre-Audit Review...**

**Phone: 215.672.7800 or 800.523.2327**

**Email: [hullinfo@SPindustries.com](mailto:hullinfo@SPindustries.com)**

**An SP Industries Brand**

# Pre-Audit Equipment Review

Tell us more about the Lyophilization equipment you want to upgrade...  
Complete electronically, save, and email to [hullinfo@SPindustries.com](mailto:hullinfo@SPindustries.com)  
or print, complete, and Fax to 215.672.7807

Manufacturer: \_\_\_\_\_ Year Built: \_\_\_\_\_ S/N: \_\_\_\_\_

Model: \_\_\_\_\_ Chamber Size: \_\_\_\_\_

Chamber Material: \_\_\_\_\_ Condenser Material: \_\_\_\_\_

Chamber Configuration:  Single Door  Pass-thru  Sub-Door

Pressure Rating: \_\_\_\_\_

Condenser Configuration:  Internal  External  Plate

Tube  DX  Fluid

Pressure Rating: \_\_\_\_\_

Bulk or  Stoppering

Shelf Size: \_\_\_\_\_ Quantity: \_\_\_\_\_ Material: \_\_\_\_\_

Equipment Condition:  Excellent  Good  Fair  Poor

Operational  Out of Service

Types of Product Processed: \_\_\_\_\_

When is Equipment Available? \_\_\_\_\_

Removal/Egress Issues: \_\_\_\_\_

Has Equipment been Sterilized ?  Yes  No Sanitized ?  Yes  No

Name: \_\_\_\_\_

Company: \_\_\_\_\_ Location: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_



## SP Industries Corporate Headquarters

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VirTis

Genevac

Wilmad | LabGlass

FTS

Hotpack